

Amendments to the Claims

Please cancel Claims 23-55 and 59-102 without prejudice to or disclaimer of the subject matter recited therein.

All the claims currently pending in this application have been reproduced below.

Claims 1-102 (cancelled)

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103. (Previously presented) An ink jet recording apparatus comprising:
an ink ejection head for effecting image recording on a recording material
by ejecting ink;

a processing liquid ejection head for ejecting onto the recording material
processing liquid effective to insolubilize the ink; and

control means for controlling ejection of the processing liquid from said
processing liquid ejection head depending on a kind of the recording material in use.

104. (Previously presented) An ink jet recording apparatus according to
Claim 103, wherein said control means prevents the ejection of the processing liquid from
said processing liquid ejection head when the recording material in use is a coated paper.

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105. (Previously presented) An ink jet recording apparatus according to Claim 103, wherein said control means prevents the ejection of the processing liquid from said processing liquid ejection head when the recording material in use is an OHP sheet.

106. (Previously presented) An ink jet recording apparatus according to Claim 103, wherein said control means prevents the ejection of the processing liquid from said processing liquid ejection head when the recording material in use comprises a base material and an ink reception layer thereon.

107. (Previously presented) An ink jet recording apparatus according to Claim 103, wherein said control means permits the ejection of the processing liquid from said processing liquid ejection head when the recording material in use is plain paper.

108. (Previously presented) An ink jet recording apparatus comprising:
an ink ejection head for effecting image recording on a recording material by ejecting ink;

a processing liquid ejection head for ejecting onto the recording material processing liquid effective to insolubilize the ink; and

control means for controlling ejection of the processing liquid from said processing liquid ejection head depending on a kind of the recording material in use,

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wherein said control means prevents the ejection of the processing liquid from said processing liquid ejection head when a test printing mode operation is carried out.

109. (Previously presented) An ink jet recording apparatus according to Claim 108, wherein the test printing mode operation is carried out in a printing-speed priority mode.

110. (Previously presented) An ink jet recording apparatus according to Claim 109, wherein in the printing-speed priority mode, skipped printing is carried out.

111. (Previously presented) An ink jet recording apparatus according to Claim 108, wherein an execution of said test printing mode operation is instructed from a host apparatus with which said recording apparatus is connected through an interface.

112. (Previously presented) An ink jet recording apparatus according to Claim 111, wherein the test printing mode operation is carried out in a printing-speed priority mode.

113. (Previously presented) An ink jet recording apparatus according to Claim 112, wherein in the printing-speed priority mode, skipped printing is carried out.

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114. (Previously presented) An ink jet recording method comprising:
a step of preparing an ink ejection head for effecting image recording on a recording material by ejecting ink;
a step of preparing a processing liquid ejection head for ejecting onto the recording material processing liquid effective to insolubilize the ink;
a step of providing the recording material on which the recording is effected; and
a step of controlling ejection of the processing liquid from the processing liquid ejection head depending on a kind of the recording material provided in said recording material providing step.

115. (Previously presented) An ink jet recording method according to Claim 114, wherein ejection of the processing liquid from the processing liquid ejection head is prevented in said controlling step when the recording material in use is a coated paper.

116. (Previously presented) An ink jet recording method according to Claim 114, wherein ejection of the processing liquid from the processing liquid ejection head is prevented in said controlling step when the recording material in use is an OHP sheet.

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117. (Previously presented) An ink jet recording method according to Claim 114, wherein ejection of the processing liquid from the processing liquid ejection head is prevented in said controlling step when the recording material in use comprises a base material and an ink reception layer thereon.

118. (Previously presented) An ink jet recording method according to Claim 114, wherein ejection of the processing liquid from the processing liquid ejection head is permitted in said controlling step when the recording material in use is plain paper.

119. (Previously presented) An ink jet recording method according to Claim 114, wherein the processing liquid has a surface tension which is smaller than a surface tension of the ink.

120. (Previously presented) An ink jet recording method according to Claim 114, wherein the processing liquid comprises a cationic material of a low molecular weight component and a polymeric component, and the ink comprises anionic dye.

121. (Previously presented) An ink jet recording method according to Claim 114, wherein the processing liquid comprises a cationic material of a low molecular weight component and a polymeric component, and the ink comprises an anionic dye compound and a pigment.

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122. (Previously presented) An ink jet recording method comprising:
a step of preparing an ink ejection head for effecting image recording on a recording material by ejecting ink;
a step of preparing a processing liquid ejection head for ejecting onto the recording material processing liquid effective to insolubilize the ink; and
a step of controlling ejection of the processing liquid from the processing liquid ejection head depending on a kind of the recording material in use,
wherein ejection of the processing liquid from the processing liquid ejection head is prevented in said controlling step when a test printing mode operation is carried out.

123. (Previously presented) An ink jet recording method according to Claim 122, wherein the test printing mode operation is carried out in a printing-speed priority mode.

124. (Previously presented) An ink jet recording method according to Claim 123, wherein in the printing-speed priority mode, skipped printing is carried out.

125. (Previously presented) An ink jet recording method according to Claim 122, wherein execution of the test printing mode operation is instructed from a host apparatus with which a recording apparatus is connected through an interface.

126. (Previously presented) An ink jet recording method according to Claim 125, wherein the test printing mode operation is carried out in a printing-speed priority mode.

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127. (Previously presented) An ink jet recording method according to Claim 126, wherein in the printing-speed priority mode, skipped printing is carried out.

128. (Previously presented) An ink jet recording method according to Claim 122, wherein the processing liquid has a surface tension which is smaller than a surface tension of the ink.

129. (Previously presented) An ink jet recording method according to Claim 122, wherein the processing liquid comprises a cationic material of a low molecular weight component and a polymeric component, and the ink comprises anionic dye.

130. (Previously presented) An ink jet recording method according to Claim 122, wherein the processing liquid comprises a cationic material of a low molecular weight component and a polymeric component, and the ink comprises an anionic dye compound and a pigment.